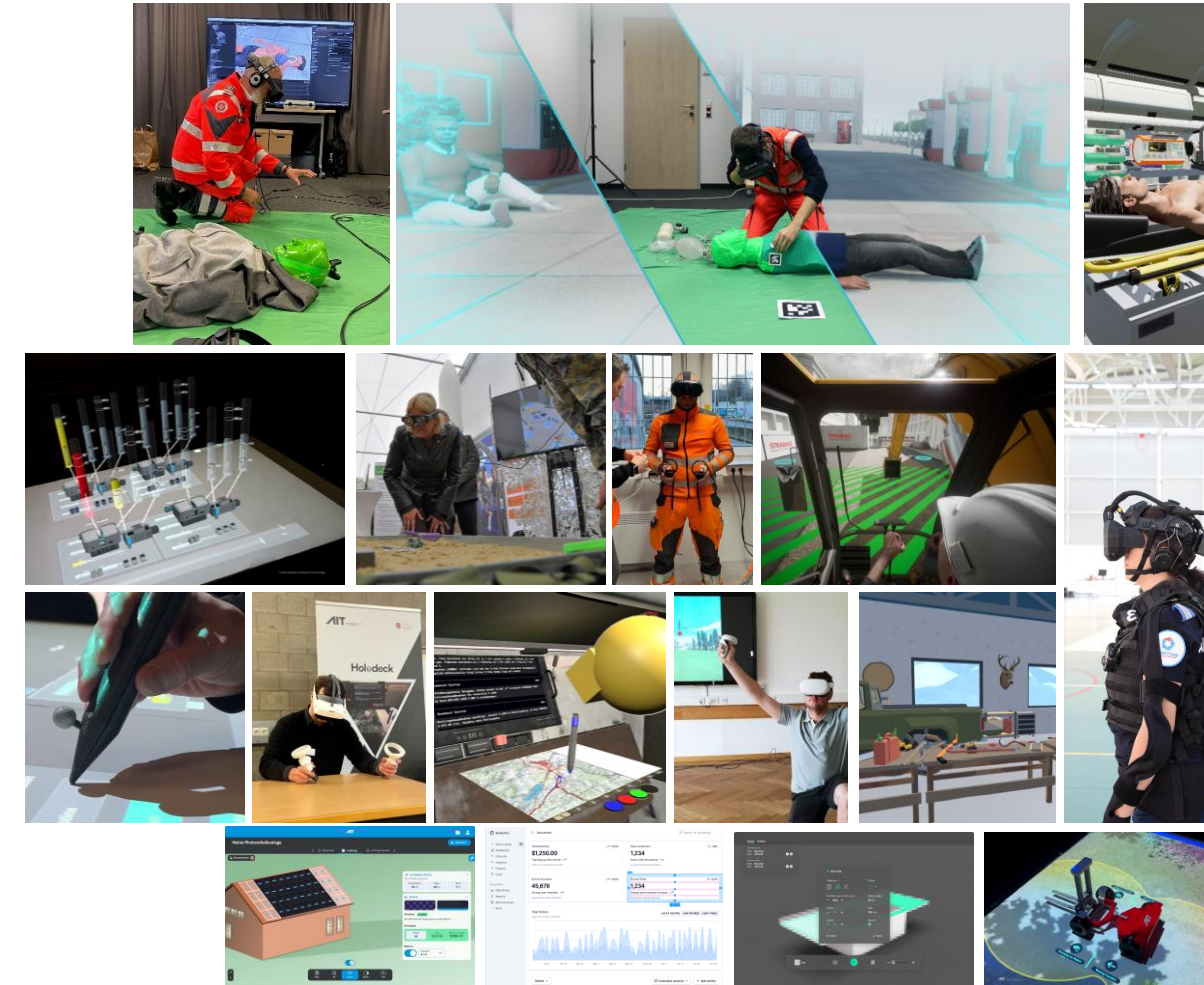


AIT Austrian Institute of Technology – Center for Technology Experience



- **AIT is Austria's largest non-university research institute** with strong expertise in **Human-Computer Interaction, User Experience, Extended Reality (XR), and trustworthy Human-AI collaboration.**
- Development and evaluation of adaptive assistance systems, multimodal interfaces, and immersive training solutions for manufacturing, robotics, emergency response, and mobility.
- Proven experience in EU-funded projects, including coordination of large collaborative initiatives such as MED1stMR, with a strong track record in user-centred design, living labs, and real-world validation.

<https://www.ait.ac.at/en/about-the-ait/center/center-for-technology-experience>



Topics addressed

Topic number & Title	Role	Expertise offered
HORIZON-CL4-2027-04-HUMAN-01 Advanced and Innovative hardware components for Virtual Worlds	WP lead / Other lead role	Experience in multimodal XR Design and Development, Human-Centred Design, User Research, Quality of Experience, SSH, established Research Partner for Austrian Industry
HORIZON-CL4-2027-04-HUMAN-02 Create a thriving and competitive Virtual Worlds and Web 4.0 ecosystem	Coordinator / WP lead / Other role	Experience in multimodal XR Design and Development, Full-Stack Development, Human-Machine Interface and Interaction, User Research, SSH
HORIZON-CL4-2027-04-HUMAN-07 Facilitate the engagement of European stakeholders in international digital standardization	WP lead / Other lead role	Experience in multimodal XR Design and Development, Human-Machine Interface and Interaction, User Research, SSH, established Research Partner for Austrian Industry

Topics addressed

Topic number & Title	Role	Expertise offered
HORIZON-CL4-2027-02-DIGITAL-EMERGING-52-two-stage New approaches for Human/AI collaboration for the workforce of the future	Coordinator / WP lead / Other role	Human-Centred Design & User Experience, Human–AI Collaboration, Design of explainable and trustworthy AI interfaces, Adaptive and context-aware assistance systems, Human oversight and shared autonomy concepts, Interaction concepts for decision support and AI recommendations, industrial HMI, XR –based system design and development
HORIZON-CL4-2027-01-MAT-PROD-42 Unlocking the potential of academic intellectual assets for industry, SMEs and startup	WP lead / Other lead role	Experience in multimodal XR Design and Development, SSH, established Research Partner for Austrian Industry

Create a thriving and competitive Virtual Worlds and Web 4.0 ecosystem

HORIZON-CL4-2027-04-HUMAN-02

Project idea

Industry-led CSA that refreshes the Virtual Worlds SRIA around a concrete anchor, operator training and upskilling, with resourced standards editorship, 27-MS co-design, and a quarterly SRIA Observatory.

Coordinator: AIT

Why it will succeed

- Shop-floor anchor gives the SRIA a real demand signal
- Standards editor seats turn influence into adoption

- Co-design directly serves the inclusivity outcomes
- Widening-led coordination broadens the Partnership

Partners sought

- 4–6 industry partner + EIT Manufacturing
- National standards bodies (Austrian Standards, DIN, AFNOR, UNE mirror committees into ETSI/CEN/ISO)
- EDF, trade unions, vocational networks
- 3–4 universities (SRIA & co-design)

New approaches for Human/AI collaboration for the workforce of the future

HORIZON-CL4-2027-02-DIGITAL-EMERGING-52-two-stage

Project idea

A worker-centred Human/AI platform for the industrial workstation: cloud-edge infrastructure couples XR, AI copilots, digital twins and multimodal feedback into real-time guidance loops, co-designed with workers and trainers.

Coordinator: AIT

Why it will succeed

- Targets the work-station level where the call sits
- Builds on prior CL4 XR projects, as the call invites

- Edge latency engineered for real-time human-in-the-loop
- Worker co-design — flexibility, inclusion, well-being

Partners sought

- 4–6 manufacturers (auto, machinery, electronics)
- 2–3 AI/robotics RTOs (Made in Europe, ADRA)
- XR & haptics technology SMEs
- Trade unions, vocational networks, EDF
- 3–4 universities (HCI, AI safety, ergonomics)

Contact Details

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